

Gulf #1 Navajo
NW SW 11-7N-8W NSM Apache County

COUNTY <u>Apache</u>		AREA <u>45</u>	mi NNW	Ft. Defiance LEASE NO	Navajo 14-20-0603-664
WELL NAME <u>Gulf #1' Na</u>	ava jo 🥌				
LOCATION NW SW ELEV 6698 GR 670 CONTRACTOR LOFFLAN	8 KB SPU	JD DATE <u>1</u>	RANG 0-26-67	STATUS COMP. DATE 11-	700' FSL 700' FWL TOTAL DEPTH 2687
			CTOP C I	NE DELL	
CASING SIZE DEPTH 9 5/8 270			SIZE & I	DRILLED BY	ROTARY X CABLE TOOL RESERVOIR
					DUCTION P&A
		SOUR	CE		
FORMATION TOPS	DEPTHS	L.L.		REMARKS	
Organ Rock Hermosa	944' 1692'	x	x		
Ismay Desert Creek	1730' 1834'				
Akah Barker Creek	1900'		<u> </u>	<u>.</u>	
Missisippian	2050'	· ·			
Devonian Elbert	2180' 2235'	 			
McCracken Aneth	2408' 2513'		 		
Cambrian Pre-Cambrian	2600' 2650'		 		
ELECTRIC LOGS	PE	RFORATED I	NTERVAL	PROD. INTERVALS	SAMPLE LOG Am Strat SAMPLE DESCRP. x
Sonic-GR, IE, Con Formation Densit	pensa t ed				SAMPLE NO. CORE ANALYSIS DSTs
REMARKS					APP. TO PLUG X
					PLUGGING REP. × COMP. REPORT ×
WATER WELL ACCEPTED	вү				
BOND CO. Federal				BOND NO.	
BOND AMT. \$ 25,000		CANCELLED		ORGANIZATIO	N REPORT 9=1-67
FILING RECEIPT 952	6 .	LOC. PLAT	x	WELL BOOK X	PLAT BOOK X
API NO. 02-001-	20062	DATE ISSU	ED 10	-26-67 DEDICATION	N/2 SW/4
PERMIT NUMBER 4.	39		(nya	COI	VFIDENTIAL
			(076	Releas	Date J-/U-07
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DRILL STEM TEST RESULTS TO FROM NO. Tool open 60 min. Rec 200' mud. No shows. 60 min ISIP 2.0 1322 1190 # 1 TFP 2.0 60 min FSIP 8.0 FFP 2.0 HIP 566 FHP 566-Tool open 90 min. Rec 288' mud, 420' water cut mud. No shows. 2687 2520 #2 FHP 1223 CORE RECORD RECOVERY REMARKS FROM TO NO. REMEDIAL HISTORY NEW PERFORATIONS WORK PERFORMED DATE STARTED - COMPLETED ADDITIONAL INFORMATION

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	WELL CO	OMPETION OF	R RECOMPLE	TION RI	EPORT A	WELL 1	.OG		0			
		DESIG	NATE TYPE OF	COMPLE	TION:	٦	L3	□ pry 5 €				
Well Work	Deep Deep		Reserve		Different Reservoir	J 011	Gas_	Dry El	1			
Operator				Address			37 37 3	44203				
	Corporation	r or name of lessor		Well Num	ox 1938, R	Reservoir		160 8950T				
Navajo -				1	Wi	ldcat						
Location	700' FWL			Cour	Apache							
Sec. TWP-Range or	Block & Survey	5 A W W G W							!			
Section I	Date t	R-S-W, N.S.M otal depth reached	Date complete		Elevation (DF RKB	RT or G		on of casing				
10-26-67	11= P.B.T.	8-67	Single, dual o			GL	feet	riple completion, ort for each com-				,
Total depth 2687		·	sing	10		pletio	h separate repo n. Cable tools use					; ;
Producing interval	(a) for this comp	letion			ols used (Interva	,	Cante foots ase		and the second			
Was this well direct	ctionally drilled?	Was directional su	rvey made?	Was copy filed?	of directional au	rvey	Date filed		3			
No Type of electrical	or other logs rur	(check logs filed v	with the commis	sion)		<u>i</u>	Date filed					
TG-LES, B	HC, Sonte-GI	ly, Compys Final	ensity CASING	RECORD					- Parket			
Casing (report all		rell-conductor, sur	ace, intermediat	e, producin		1 0-	cks cement	Amt. pulled				
Purpose	Size hole drill		set Weight	(lb./ft.)	Depth set							
					2201	1 1954) er	I <u> </u>	1 3			
Surface	12-1/4*	9-5/8 **			2701	150) 833			Ę.		
	12-1/4* UBING RECORD					RECORD) ex None	-		ў?		
T	UBING RECORD	None Packer set at	Size	Тор	LINER Bottom	RECORD				हुर		
т	UBING RECORD Depth set ft.	None		Тор	LINER Bottom ft. D, SHOT, FRA	RECORD ft.	None Sacks cement CEMENT SQUI	Screen (ft.)		ę́°		
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		DETAIL OF FO	DRMATIONS PENETRATED
Formation	Тор	Bottom	Description*
ORGAN ROCK gas Kick sdy.siltstanc	DST #1 1190	1322	Tool open 60 min. Recovered 200' mud. No shows. 60 min. ISIP 2.0 IFP 2.0 60 min. FSIP 8.0 FFP 2.0 IHP 566 FHP 566
ANETH & CAMBRIA	N DST #2 2520	2687	Tool open 90 min. Recovered 288' mud, 420' water cut mud. No shows. 60 min. ISIP 350 IFP 40 60 min. FSIP 350 FFP 377 IHP 1236 FHP 1223
ORGAN ROCK	944		Shale, sami & Siltstone
HERMOSA	1692		Limestone, shaley sand
ISMAY	1730		Limestone, sand and shale
DESERT CREEK	1834		Limestone, shale, sand
AKAn	1900		Limestone
PARKER CHECK	1975	<u>.</u> 	Limestone, shale, sand
Mississippian	2050	<u> </u>	Limostone, chert, shale
DEVONTAN (OURAY)	2180	, ,	Shale, limestone, chert
RIAMERT	2235		Dolomite, shale, limestone
MCCRACKEN MCCRACKEN	2408		Sandstons, shale
ANETH	2513		Dalcuite
CAMERIAN	2600		Dolomite, sand, shale
PRE-CAMBRIAN	2650		Shale, metamorphics
•			→ 37
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^{*} Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

INSTRUCTIONS:

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Attach drillers log or other acceptable log of well.

This Well Completion or Recompletion report and well log shall be filed with the State of Arizona O'l & Gas Conservation Commission not later than thirty, days after project completion.

Form No. 4

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THE PROPERTY OF

CONFIDENTIAL

Gulf Oil Corporation Navajo ∦11-1 1920 FS 700 FW Sec. II-7N-8W Apache County, Arizona

DST #1 - 1190 - 1322', sdy silt stone, gas kick (Organ Rock). Mud 9:1-38, 16 WL, 2/32". ST, 1° @ 1250'. Circ $10^{\frac{1}{2}}$ hrs during last 24 hours 37' off bottom w/DST Tool - out of fuel (diesel). Failed to fill small tank out of large tank.

DST #2 - 2520 - 2687 (testing porosity no show). 5 min IF weak blow to good blow 4 mins. I hr ICl 350psi. 1½ hr flow 40-377 psi, good blow for I hr decrg to fair blow at end of test. I hr FCl 377 psi. HP in 1236 psi; HP out 1223 psi. Recovered 288 mud plus 420 water cut mud, no show oil or gas.

orm 9–330	FLRASR CONS	IDER THIS II	PORMATIO	n coupld	INTLAL		
(ev. 5–63)	UI	€ . ED STA	TES	SUBMIT IN	DUPLI E*	Form a Budget	pproved. Bureau No. 42-R355.5.
	DEPARTME GEO	ENT OF TH		RIOR	structions on reverse side)	14-20-06	
				ODT AN	n LOG*	6. IF INDIAN, ALLO	TTEE OR TRIBE NAME
	APLETION OF					Nevajo	T VAME
TYPE OF WELL	WELL WELL	WELL .	DRY Oth	er Stratic	CLADUTE	(NIT AGREEMEN	
TYPE OF COMPI	LETION: Work (**) Deep- (**)		FF. 🗀 💍	er P & A	;	S. FARM OR LEASE	NAME
	OVER L. EN L.	DACK L. ILE	sva Li Oth	er a ve se		Nevajo s	11 2 2 2 2
Gulf Oil ADDRESS OF OPERA	Corporation		· · · · · · · · · · · · · · · · · · ·			9. WELU NO.	
Sout Off	4 ce Rox 1938	. Rosvell. N	ew Mexico	88201	: •	10. FIELD AND PO	OL, OR WILDCAT
LOCATION OF WELL	. (Report location cle	arly and in accordan	ice with any S	tare Ledancemen	ta) *	Wildcat	
At surface 192	0' FEL, 700'	FWL Section	11, T-7	-N, R-5-¥	, N.S.M.	OR AREA	OR BLOCK AND SURVEY
At top prod. Inte	rval reported below				•	Sec. 11,	1-7-11, R-8-11,
At total depth				, ALTS	ISSUED	12. COUNTY OR	1.13. STATE
			PERUIT NO.			PARISH	and some
DATE SPUDDED	16. DATE T.D. REACH	ED 17. DATE COMPI	(Ready to p	rod.) 18. ELE	VATIONS (DF, REB.		ELEY, CASINOHEAD
1	11-8-67	Dry		1 1	6698 GL		
10-26-67 TOTAL DEPTH, MD 8		CK T.D., MD & TVD	22. IF MULTIP	LE COMPL.	23. INTERVALS	ROTARY TOOLS	CABLE TOOLS
26871	_	2	€9			0-2687	25. WAS DIRECTIONAL
PRODUCING INTER	VAL(S), OF THIS COM	PLETION-TOP, BOTTO	M. NAME (MD	AND TVD) .	1	- 作的表数层集】	25. WAS DISECTIONAL SUSTEEN MADE
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fig. i	ND OTHER LOGS RUN	enia Cara Boar	olev . 🦠			크림하다	i Bo
<u> I-ES, BRU</u>	, Sonie-CR, (CASING RE	CORD (Repor	t`all strings set	in iceil)	1 4 2 3 3 4	g = 8.4 b./2
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD		BIZE		G RECORD	ANOUNT PULLED
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181	_	/ 14 	100 frz		<u> </u>		- 일 3 :
<u> </u>	I T.IN	ER RECORD	1		30.	TUBING RECORL	
SIZE			S CEMENTS	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
	7	- # 1 E	7 Ox 12	, y 154 - 2		<u> </u>	B 288888
			7.73.4	5 m	5	1 4 2 4 2 4 2	
1. PERFORATION RE	CORD (Interval, lize)	ind number)	- Januar (1974)			CTURE, CEMENT S	
		[1945] 数据第一		DEPTH INTER	VAL (MD)	AMOUNT AND KIND O	
Rone		<u></u>			2		<u> </u>
					7.7		
							<u>a sārāsa</u>
3.*				UCTION .		118	A. adapid
ATE FIRST PRODUC	PRODUCT	ION METHOD (Flowing	ng, gas lift, pu	mping—size an	d tupe of dand)		ATUS (Producing or
Dry - PAA						4 2	CASOLERATIO
ATE OF TEST	HOURS TESTED		ROD'N. FOR TEST PERIOD	1		15	
TOTAL PROPERTY WAS A	CASING PRESSURE	CALCULATED	DII,—BBL.	GAS—NO		ER-MBL 3 - ID	GIGRAVITY-API (CORR.)
LOW. TUBING PASSS.	taging rangatile	24-HOUR RATE			Frail 1	の過剰素	
4. DISPOSITION OF	 GAS (Sold, used for fu	el, vented, etc.)				A CONTRACTOR	b ex a series
						TAY.	<u> 表現主な主な意位置</u>
35. LIST OF ATTAC	HMENTS			2. 18.	282	SI SI	
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36. I bereby certif	y that the foregoing	and attached inform	nation is comp	lete and correc	casedetermined f	Parkella marilla mor 있었으로라의	A TANK THE PARTY OF THE PROPERTY OF THE PARTY OF THE PART
SIGNED	NISCI	ayk	TITLE 1	istrict D	roduction i	ADRION DATE	11-14-67
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.1	*(See	Instructions and	opaces for A	Additional D	ata on Keverse	bide)	4 ** .
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INSTRUCTIONS

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tan and the number of copies to be obtained from, the local Federal ysls, all types electric, etc.), formand regulations. All attachments requirements. Consult local State form and in any attachments, and in item 24 show the producing on this form, adequately identified, lon of the cementing tool.	COJ 184	The state of the s	871-233
builted from, all types elect regulations. ulrements. Co nud-in any at in item 24 sh his form, adec not the cementin	IC MARKGRS	1977 1977 1977 1977 1977 1977 1977 1977	
itions concerning the use of this form that the bunner of polow or will be issued by, or may be obtained from, the low rate completions. The completions and/or State laws and regulations. All a glicable Federal and/or State laws and regulations. All a scribed in accordance with Federal requirements. Consult saribed in accordance with Federal form and in any attachm liple completion), so state in item 22, and in item 24 show the 'Submit a separate report (page) on this form, adequately with. This stage cementing and the location of the cementing tool (See Instruction for Items 22 and 24 above.)	DIDOTOED	NAME NAME NAME THOSE T	
tlons below urate curs, ge plicabl geribe scribe curs; scribe curs; iple co curs; littiple (See I	DRILL-BTEM TERTH, INCLUDING	The same of the sa	FRICE - 1983-10
ations, Any necessary special instinces and practices, either are show vegarding separate reports for so of all currently available logs (drivered, to the extent required by Federal or Indian land should be otherwise shown) for depth measuron more than one interval zone (monly the interval reported in item additional data pertinent to such it will should show the details of any in interval to be separately produced.	COURD INTERNALIS AND ALL	Security of course inventable and all buscentration, consentration in the state of min. Becovered formin. Pair 8.0 FFP 2.0 INP 566 FHP 577#	S CHARLES ON THE SECOND OF THE SECOND
General: This form is designed for submitting a submitted as a submitted by the submitted submitt		NAME CONTENTS THERINGS INTO THE PLOY OF THE PERSON OF THE	ADVICE TO SERVICE TO S
m is designed for supuration of applicable Federal mularly with regard to focularly with regard to focularly with regard to focularly with regard to focular to the time this summiny tests, and directional sure no upplicable State or speulful instructions; which diovarions is supular well as completed with integral to focular completed formular, Attached supply as focular formular formula	GILLA SONOR	TAY COUNTY TOWNS OF T	
General: This for or both, pursuant submitted, pursuant submitted, pursuant submitted, pursuant for fine flee prior flow-and pressure signified to listed or frederil office or frederil office flee interval, or interval, or interval, or interval, for deed addition flee 29: "Suckedition flee 33: Submits;	To the state of th	ROUNTING OF THE PROPERTY OF TH	क्राक्षा क्राक्षा

~ _ (_OLOGICAL SURVEY		14-20-0603-664
SUNDRY NOT	ICES AND REPORTS ON	WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
	ATION FOR PERMIT—" for such proposal	s.)	Navajo 7. Unit agreement name
OIL GAS COTHER	Stratigraphic Test		S. FARM OR LEAST NAME
Culf Oil Corporation			Navajo - 11
ADDRESS OF OPERATOR	11. New Mexico 88201		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
LOCATION OF WELL (Report location See also space 17 below.) At surface	clearly and in accordance with any State	requirements.*	10. Field and Fool, or Wildcar Wildcat
1920' FSL 700' FWL Se	ction 11, T-7-N, R-S-N,	M.S.M.	Sec. 11, T-7-N, R-8-X, N.S.M.
14. PERMIT NO.	15. ELEVATIONS (Show whether DF. ET. C	rs, etc.)	12. COUNTY OF PARISH 13. STATE Apache Arizona
ia. Check A	appropriate Box To Indicate Natur	re of Notice, Report, o	or Other Data
NOTICE OF INT	ENTION TO:		SEQUENT REPORT OF
TEST WATER SHUT-OFF	PULL OR ALTER CASING	WITEE SHUT-OFF FRICTURE TREATMENT	ALTERING CASING
FRACTURE TREAT	ABANDON.	SHOOTING OR ACIDIZING	ABANDONMENT!
REPAIR WELL	CHANGE PLANS	(Other)	sults of multiple completion on Well completion Report and Log form.)
(Other) 17. DESCRIBE PROPOSED OR COMPLETED O	PERATIONS (Clearly state all pertinent de		ares, including estimated date of starting any errical depths for all markers and zones perti-
Circulated. Ran logs Plug #1, 2687' to 216 Plug #2, 950' to 8 Plug #3,15' to surfa Plugs approved by Jo	hn Ward, U.S.G.S., Farmi	ug and abandon a ement. ement. ement. ement. ement. ement.	cited or alkalies is restricted of Alemental cold than annual dates for real a cold than annual dates for real a cold than an analytication of Alemental cold than an annual dates of malaculation and almost of reference of malaculation and the annual cold than all and the annual annual trail of the annual annual trail cold trail
18. I hereby certify that the forest	LAND TITLE ATE	a Production Man	eger Dire 11-13-67
(This space for Federal or State	e office use)		
APPROVED BY	IF ANY:		TO POATE TO BE TO THE SECOND
<u> </u>			PLIL
		n C-1	
	*See Instructions	on Reverse Side	STON PECENTED CO

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64-14-20-060 - 14-20 OLOGICAL SURVEY 6. IF INDIAN, ALLOTTEE OR TRIBE NAME SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT-" for such proposals.) Navajo 7. UNIT AGREEMENT NAME Stratigraphic test WELL CAS TO OTHER 8. FARM OR LEASE NAME 2. NAME OF OPERATOR Navajo - 11 Gulf Oil Corporation 9. WELL NO. 3. ADDRESS OF OPERATOR __a_11 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface P. O. Box 1938, Roswell, New Mexico S3201 10. FIELD AND POOL, OR WILDCAT Wildcat 11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA 1920' FSL 700' FWL Section 11, T-7-N, R-S-W, N.S.M. Sec. 11, T-7-N, R-S-N, N.S.M. 12. COUNTY OR PARISH 13. STATE 15. ELEVATIONS (Show whether DF, ST, GR, etc.) 14. PERMIT NO. Apache 66981 GL Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data 16. REPAIRING WELL PULL OR ALTER CASING TEST WATER SHUT-OFF ALTERING CASING MULTIPLE COMPLETE PRACTURE TREAT SHOOT OR ACIDIZE ABANDON (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) REPAIR WELL 17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.). TD 2687: Well plugged and abandoned as follows: Plug #1, 2687* to 2100*, 100 sacks Class A cement. Plug #2, 950' to 850', 40 sacks Class A Cement. Plug #3, 15' to surface, 10 sacks Class A Cement. Installed dry hole marker; plugged and abandoned 11-10-67. Plugging procedure approved by John Ward, U.S.G.S., Farmington, New Mexico, 11-10-67. PLEASE CONSIDER THIS INFORMATION CONFIDENTIAL 18. I hereby certify that the foregoing is true and correct TITLE Area Production Manager DATE 11-13-57 ORIGINAL SIGNED BY C. D. BORLAND (This space for Federal or State office use) TITLE *See Instructions on Reverse Side

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NOV 14 1967 STATE O. & G.

\	JLOGICAL SURVEY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
SUNDRY NOTIC	CES AND REPORTS C	ON WELLS	
(Do not use this form for proposa Use "APPLICAT	is to drill or to deepen or plug b	eack to a different reservoir	n. Navajo (14)
	HON FOR PERSHIP-		7. UNIT AGREEMENT NAME
OLL GAS TO	Stratigraphic Test		
WELL WELL WE OTREE	OUT AUT ET AT TOO		8. PARM ON LEASE NAME
2. NAME OF OPERATOR Guif Oil Corporation			Navajo - 11
·			9. WELL NO.
P. C. Box 1938, Roswe	ell. New Mexico 8820)].	1 1 1 3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
4. LOCATION OF WELL (Report location cle	early and in accordance with any	State requirements.	10. PIELD AND POOL, OE WILDCAT
See also space 17 below.) At surface			Wildcat
1920' FSL 700' F%L Se	ection 11. T-7-11. R-	-8-W. N.S.M.	11. SEC., T., R., M., OR BLE, AND SURVEY OR AREA
1920, 13H 100, 18H 00	0002011 223 2 1 233 00	· .,	Sec. 11, T-7-N, R-8-W,
			N.S.M.
14. PERMIT NO.	15. ELEVATIONS (Show whether D	F, ET, GE, etc.)	12. COUNTY OF PARISH 13. STATE
17. 124411 10.	66981 CL		Apache Arizona
		(1)	the second secon
16. Check Ap	propriate Box To Indicate I	Nature of Notice, Kep	on, or Omer Daid
NOTICE OF INTEN	TION TO:	1	SUBSEQUENT REPORT OF:
	PULL OR ALTER CASING	WATER SHUT-OFF	X REPAIRING WELL
1231 11213 3-3-3-3	MULTIPLE COMPLETE	FRACTURE TREATM	ENT ALTERING CASING
	ARANDON®	SHOOTING OR ACID	
5 NOOT ON ACCOUNT	CHANGE PLANS	(Other)	
BETAIN HEAD		(Note: Repo	ort results of multiple completion on Well or Recompletion Report and Log form.)
(Other)	ENATIONS (Clearly state all pertine		trainding actimated data of starting any
17. DESCRIBE PROPUSED OR COST EDIZES OF	the deithed give enhancince loc	a both beginson been been the	rue vertical depths for his markets and zones perso
Diobosed works at more on occurrence	onany drined, give substitute to	minus and measured and	rue vertical depths for all markers and zones perti-
nent to this work.) *	•		
nent to this work.) *	•		
nent to this work.)* Toffland Bros. Company	spudded 12-1/4" ho	le at 4:00 p.m.,	, 10-26-67. Drilled to 270.
Loffland Bros. Company	spudded 12-1/4" ho	de at 4:00 p.m.,	, 10-26-67. Drilled to 270.
Loffland Bros. Company Ran 8 joints, 258, 9- Cemented with 100 sack	spudded 12-1/4" ho -5/8" H-40 casing, s	le at 4:00 p.m., et at 2701. How 2% CaCl2. Did no	10-26-67. Drilled to 270. co cement basket at 90. co circulate. Cemented
Inoffland Bros. Company Ran 8 joints, 258, 9- Cemented with 100 sack annulus from surface w	spudded 12-1/4" ho -5/8" H-40 casing, s cs Neat cement with with 50 sacks Neat w	et at 4:00 p.m., et at 270! Howe 2% CaCl2. Did no 1/2% CaCl2. Hole	10-26-67. Drilled to 270. co cement basket at 90. co circulate. Cemented filled OK. Completed Tested rams and 9-5/8" casing
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*See Instructions on Reverse Side

439

GONFIDENTIAL

Re'ease Date.

1. ALEXAND

Gulf Oil Corporation

EXPLORATION AND PRODUCTION DEPARTMENT-U. S. OPERATIONS

ROSWELL DISTRICT

P. O. Drawer 1938 Roswell, New Mexico 88201

W. B. Hopkins
DISTRICT MANAGER
M. I. Taylor
DISTRICT PRODUCTION
MANAGER
F. O. Mortlock

November 10, 1967

DISTRICT EXPLORATION MANAGER H. A. Rankin DISTRICT SERVICES HANAGER

> State of Arizona Oil and Gas Conservation Commission 1624 West Adams, Room 202 Phoenix, Arizona 85007

> > Re: Navajo-11 No. 1 Apache County, Arizona

Gentlemen:

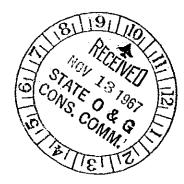
On our Application for Permit to Drill the subject well, we stated that the elevation would be reported later.

Please be advised that the ground elevation of this well is 6,698 feet.

Yours very truly,

M. I. Taylor

JEN:ers



11-9-67

TelCall: Red Cable, Gulf

Re: Gulf 1-11 Navajo Permit 439

T.D. 2687. Preping to plug.

Plugging program approved by Ward, U.S.G.S.
As follows:
T.D. - 2100
925 - 850 top of Organ Rock
Water zone: 400 - 500 appears to be whole of De Chelly
350 - 250
15 - surface with marker.

Mud between.

Gave verbal approval.

Gulf #1-4 Navajo: drilling at 1550 Moving to Gulf 1-22 11-10-67.

439

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WELL	SITE CHECK
Contractor Loff Land Rig # 1	Person(s) Contacted
Spud date Wilson Mogul 421 Rotary Type Rig Cable	Present Operations
TRuck- Mounted Samples	Drilling 2530
Pipe <u>73/8 SURFACE C59</u> Water Zones	Drilling with Mud
Lost Circ. Zones None	Size Drill Pipe 4/2
Formation Tops	Type Bit <u>Aughos</u> X 55 R No. Bit 8 Drilling Rate
Rocks. (See file)	- Formation Elbert
Crews Flying From Formington	ሃ Lithology

A STATE OF THE PARTY OF THE PAR

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WELL NAME Gulf# Dpwaio 11

Permit No. 437 Confidential: (Yes) No

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Gulf #1-11

TETERHORE SACK AMEN

DST (ORGAN Rock) 1190-1322; Open tool 5 min

pre-flow time; 51 60 mind; Open 60 mind: weak blow

died in 2 min.; 51 60 min. Rec 200' Del Mud.

14 566#

151P 2.7# /60 min

1F 2.7#

FF 2.7#

FSIP 81# / 60 min

FHP 566#

Thethane Rick on gas detectors (love Sat)

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(Other installed clons on reverse side) Form approved. Budget Bureau No. 42-R1425. Form 9-331 C (May 1963) **UNITED STATES** DEPARTMENT OF THE INTERIOR 5. LEASE DESIGNATION AND SERIAL NO. 14-20-0603-664 **GEOLOGICAL SURVEY** 6. IF INDIAN, ALLOTTEE OR TRIBE NAME APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK **PLANT** 7. UNIT AGREEMENT NAME. PLUG BACK DRILL **E** DEEPEN 🗍 Stratigraphic b. TTPE OF WELL MULTIPLE ZONE 8. PARM OR LEASE NAME METE Marajo - 11 2. NAME OF OPERATOR 9. WELL NO; Culf Cil Corporation 3. ADDRESS OF OPERATOR Post Office Box 1938, Roswell, New Mexico 88201 10. FIELD AND POOL, OR WILDCAT 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) **Vildent** 11. SEC. T., R., M. OR BLK.
AND SURVEY OF ARREST 1920' 15L, 700' ML Section 11, 7-7-5, 2-6-4, 1.5.M. At proposed and zone aurthor location B-B-V, N.S.N. 12. COUNTY OR PARISH 13. STATE 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE Appetto 45 miles MW of Fort Defiance, Arisona 10. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any)

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED
OR APPLIED FOR, ON THIS LEASE, FT. 17. NO, OF ACRES ASSIGNED TO THIS WELL 16. NO. OF ACRES IN LEASE 80 640.00 19. PROPOSED DEPTH 20. ROTARY OR CABLE TOOLS. 2,700 22. APPROX. DATE WORK WILL START* 21. ELEVATIONS (Show whether DF, RT, GR, etc.) will report later PROPOSED CASING AND CEMENTING PROGRAM QUANTITY OF CEMENT 🕾 🚊 9-5/8" SETTING DEPTH WEIGHT PER FOOT SIZE OF HOLE 160 12-1/4 32,30 Program: (1) Brill 12-1/4" hole to 30' penetration in DeChelly formation. Box 9-5/8" casing to bottom, circulate commit.

Dipple up and test casing and B.O.P. 's.

preventer program, if any.

(This space for Federal or State office use)

CONDITIONS OF APPROVAL, IF ANY:

439

BIGNED

PERMIT NO.

APPROVED BY

<u> (</u>2

beill out and deill about with water - 8-3/4" on 7-7/8" holes

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive sone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout

*See Instructions On Reverse Side

12

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10-31-67

Mr. Allen, Gulf Oil telephoned

Re: Gulf #1 Navajo Agua Sal Permit 437

Cored from 2261-2319. Dolomite shale. no shows. Now drilling ahead.

Re: Gulf #1-11 Navajo
Permit 439

Spud 11-26-67.

Will DST tomorrow, 11-1-67 and will advise results asap.

Top of DST 1190 to 2312 1322. Samples: very fine grain silt sand.

Have had a minor gas show on hydrocarbon detector; no encouragement.

Have set surface casing: 252 9-5/8" to 267'. Drilling with mud; therefore can't tell if any water encountered on way down. However, having some lost circulation so will probably set more pipe.

Gulf #1 Navajo 4 and Gulf #1 Navajo 22 locations have been staked, roads made. Rig from #1 Agua Sal will move to #1-4 Navajo and rig from #1-11 Navajo will move to #1-22 Navajo.

He advised all Gulf operations highly confidential; at time we talked I thought wehad so classified. Now find they are not so classified by us.

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APPLICA	ATION FOR PERMI	T TO DRILL OR	RE-ENTER	
APPLICATION TO DE	RILLE		E-ENTER OLD WELL	-0
a 29 0:1 demonstion		•		
Gulf Oil Corporation				
Post Office Box 1938	Roswe		New Mexic	
idress	City			State
				,
Loffland Bros. Company				
rilling Contractor	nd. Farming	rton	New Mexic	co 87401
1216 East Bloomfield Ros	m, 141ming	,0011		
THE COLUMN TO THE COLUMN THE COLU	·			
-	DESCRIPTION OF	WELL AND LEASE		
ederal, State or Indian Lease Number, or	if fee lease, name of lessor	Well number and N		on (ground) 6678
14-20-0603-664		Navajo-11 No.		lereport later
earest distance from proposed location property or lease line:		Distance from proposed completed or applied-	o location to nearest d for well on the same l	ease:
o produced or seems seems	700	1	First Well	feet
	700 feet	Number of wells on lea		1.
lumber of acres in lease:		completed in or drillin	g to this reservoir:	
640.00		1	One	
f lease, purchased with one or more wells drilled, from whom purchased:	Name		Address	
Well location (give footage from section li	Section—to	wnship—range or block ar	nd survey Dedica	alion (Comply with Rule 105)
1920 FSL, 700 FWL		T-7-N, R-8-W,		80 Acres N/2 Sh
Field and reservoir (if wildcat, so state)		County		
Wildcat		- Apacl	ne	
Distance, in miles, and direction from near				
45 miles NNW of Fort Def			Approx. date work	will start
Proposed depth:	Rotary or cable tools		October 26	the state of the s
2,700'		otary	Filing Fee of \$25.00	
Bond Status Blanket	Organization Report	On attached	Attached X	
Amount \$25,000	On file X	Or attached	Middled 11	
CERTIFICATE: I, the undersigned, under Gulf Oil Corporation report was prepared under my supervision		the that I am the	by said company to me, correct and complete	w ₁ N = 4
		Signature	October	24, 1967
		Date		6116113
439		1		
Approval Date: 10-76-6	7		STATE OF ARE	··· down or of All h
Approved By: JOIN 131	muster	1	Application to Drill o File Two Cop	TREMOT SO S
Notice: Before sending in this form be all information requested. Muci ence will thus be avoided.	sure that you have given h unnecessary correspond-	Form No. 3	rne 1wo cop	E A E

API-02-001-20062

 C^*

(Complete Reverse Side)

Form No. 3

- Charles and the same of the

	Operator shall outline the dedicated	acreage for	both oil a	ind gas	wells on	the pla	t.
1	Cheraior shall oliffing the dedicated	acteage for	COLUL OIL C	nin Eas	WCIIG OIL	**** F	

- 2. A registered professional engineer or land surveyor registered in the State of Arizona or approved by the Commission shall show on the plat the location of the well and certify this information in the space provided.
- 3. All distances shown on the plat must be from the outer boundaries of the Section.

Size of Casing

9-5/8"

Weight

32.30#

- 4. Is the Operator the only owner in the dedicated acreage outlined on the plat-below? YES X NO
- 6. If the answer to question four is "no," list all the owners and their respective interests below:

ner		<u> </u>	Land Description			
	Section 11, T-7-1	N, R-8-W, N.S.M	1.	CERTIFICATION		
				I hereby certify that the informa- tion above is true and complete to the best of my knowledge and belief.		
Dedication:	N/2 SW/4 for oi	1 well.		Position District Production Manage		
	Entire Section	for gas well.		Company Gulf Oil Corporation Date October 24, 1967		
			. 5	I hereby certify that the well loca tion shown on the plat was plotted from field notes of actual survey		
700*X				made by me or under my super- vision, and that the same is true and correct to the best of my knowledg and belief.		
1920,				Date Surveyed		
9 F		i,		Registered Professional Engineer and/or Land Surveyor		
330 660 990 1	320 1650 1980 2310	2640 2000 15	00 1000 500	Certificate No.		

Grade & Type Top Bottom Cementing Depths Sacks Cement

J-55 ST&C O' 160' 160' Circulate

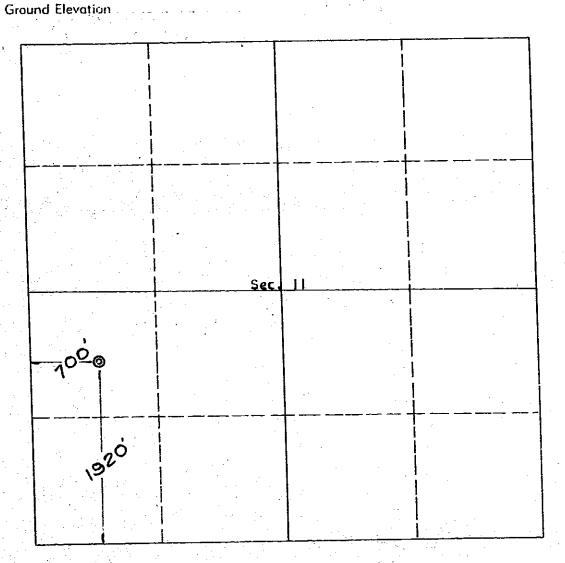
O

Company Gulf Oll Corporation

Well Name & No. Navajo 11, Gulf #1

Location 1920 feet from the South line and 700 feet from the West line.

Sec. 11, T. 7 N. R B W., Navajo Special Meridian, Apache Co., Arizona.



eg transition		•	*	•		47
Surveyed	October 4	 			, 19	_0/_

This is to certify that the above plat was prepared from field notes of actual surveys made by me of under my supervision and that the same are true and correct to the estate my knowledge and belief.

Seal: ERNEST V CO ECHOHAWK

Ernest V. Echohawk Registered Land Surveyor Arizona Reg. No. 2311 the GO STATE OR 1967 TO



PERMIT TO DRILL

This constitutes the permission and authority from the

OIL AND GAS CONSERVATION COMMISSION, STATE OF ARIZONA,

GULF OIL CORPORATION
O:(OPERATOR)
to drill a well to be known as
GULF #1 NAVAJO 11
(WELL NAME)
ocated 1920' FSL and 700' FWL (NW SW)
Section 11 Township 7N Range 8W NSH , Apache County, Arizona.
The
Section, Township and Range is dedicated to this well.
Said well is to be drilled substantially as outlined in the attached Application and must be drilled in full compliance with all applicable laws, statutes, rules and regulations of the State of Arizona.
Issued this 26th day of October , 19 67
OIL AND GAS CONSERVATION COMMISSION
By J-Ohn Cannister EXECUTIVE SECRETARY
State of Arizona

API 02-0001-20062

RECEIPT NO. 9526

PERMIT

Nº

439

April.

FORM NO. 27

Oil & Gas Conservation Commission

Permit to Drill

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OFFICE OF

Oil and Gas Conservation Commission

STATE OF ARIZONA

ROOM 202

Phoentx, Artxona 85007

PHONE: 271-5161

January 11, 1968

Gulf Oil Corporation P.O. Drawer 1938 Roswell, New Mexico 88201

Attention: Mr. M.I. Taylor, District Production Manager

Gentlemen:

As you are aware, you, as operator, must keep this Commission currently informed as to the progress of any oil or gas well operation anywhere in the State of Arizona and file such data as required or called for by the Commission. For your guidance, a copy of "Forms-when to file" was attached to your permit to drill. For your convenience, a marked copy is enclosed again.

According to our records, the data indicated below has not been submitted. You are requested to submit this data at once in order to bring this operation into compliance with our Rules and Regulations.

Well	Progress Report	Report	Logs	Samples	Other
Gulf Oil: #1 Navajo-Defiance				x	
#1 Navajo Agua Sal			X	X	Core Analysis
#1 Navajo 4			x	X	DST report
#1 Navajo 11			X	x	
#1 Navajo 22			X	x	

Very truly yours,

John Bannister
Executive Secretary
mr
enc

A PARALLES

TO SEE STATES

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EXPLORATION AND PRODUCTION DEPARTMENT-U. S. OPERATIONS

ROSWELL DISTRICT

P. O. Drawer 1938 Roswell, New Mexico 88201

W. B. HOPKINS
DISTRICT MANAGER
M. I. Taylor
DISTRICT PRODUCTION
MANAGER
F. O. MORTIOCK

November 15, 1967

F. O. Mortlock

DISTRICT EXPLORATION

MANAGER

H. A. Rankin

DISTRICT SERVICES MANAGER

State of Arizona Oil and Gas Conservation Commission 1624 West Adams Room 202 Phoenix, Arizona 85007

> Re: Well Completion Reports Navajo-11 No. 1 Apache County, Arizona

Gentlemen:

Attached are State Form No. 4 and copies of U.S.G.S. Form 9-330, Well Completion Reports, covering the subject well.

It is requested that the information remain confidential during the entire statutory period.

Yours very truly,

M. I. Taylor

 ${\tt Attachments}$

JEN:sz

CONS. COMM.

Gulf

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